THE TYPE-SPECIES OF GONIURELLIA HENDEL, 1927 (INSECTA: DIPTERA: TEPHRITIDAE). Z.N.(S.) 2157.

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Goniurellia was created by Hendel (1927) as a subgenus of *Trypanea* [sic], properly *Trupanea* Schrank, 1795, without giving sufficient characters to differentiate it from *Trupanea* s. str. Munro (1955, 1957) considered *Goniurellia* adistinct genus, and gave (1957:1038-1039) detailed characterizations for *Trupanea* (= *Trypanea*), *Goniurellia* and his new genus, *Dectodesis* (1957: 1044).

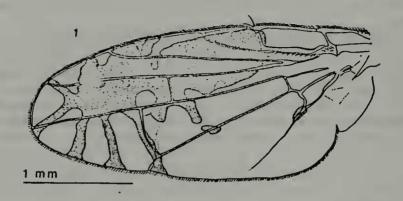
- 2. When creating Goniurellia (1927:198), Hendel designated as its type-species, what he believed to be Trypeta augur Frauenfeld, 1856, described it and figured its wing. A comparison of Hendel's figure and description of Trypanea (Goniurellia) augur with the original description and wing figure of Frauenfeld's Trypeta augur, shows that the two authors dealt with different species, and that Hendel misidentified the type-species of Goniurellia. Fraunfeld's species is characterized in his description and figure as follows: the brown subapical wing spot has in the basal cell a rounded hyaline indent; the brown ray which crosses the discal cell, although sometimes interrupted, ends on the fifth vein (Appendix 1, Fig. 1). Hendel's description and figure differ from Frauenfeld's in lacking a rounded hyaline indent in the basal cell, and in the shorter brown ray of the discal cell (Appendix 1, Fig. 2).
- Frauenfeld's types are probably lost (Hardy, 1968:107 -108 per. commun. 1975, and our investigations). Fifteen specimens collected at A-Tur (Sinai Peninsula), the type locality of augur Frauenfeld (in the collection of the Department of Zoology, Tel Aviv University) fit Frauenfeld's They are also characterized by a very long geniculate proboscis, the haustellum and labella of which are each longer than the head, and by four scutellar bristles - characters not used by Frauenfeld in his description of TEPHRITIDAE. Goniurellia augur sensu Hendel (1927) has a short proboscis and only two scutellars. In 1927 (: 200) Hendel included in Goniurellia his new species G. ensina, among other species; in 1931 (: 11) he added his new species G. rostrata. Steyskal and El Bialy (1967) considered these two species as synonyms of Trupanea kingi (Bezzi, 1924). We agree with Steyskal and El Bialy, because the differences given by Hendel (1931) to separate rostrata from ensina and kingi do not warrant specific differentiation. Moreover, having checked the holotype of ensina and the type series of kingi, we conclude that all three are synonyms of augur Frauenfeld. The differences mentioned above between augur Frauenfeld and augur sensu Hendel necessitate their separation into different genera.

We agree with Munro's opinion (per. commun.) that augur Frauenfeld, which is distributed in Israel, Egypt and the Sudan, belongs to the African genus, *Dectodesis* Munro, which is characterized by a very long geniculate proboscis.

- 4. Hendel's concept (1927) of what he thought to be augur Frauenfeld applies to at least two hitherto unnamed species (Freidberg and Kugler, in preparation). Hendel (loc. cit.) also included in Goniurellia the subspecies G. augur tridens (Hendel), which was described and illustrated in 1910 (:106-7, pl. 1, fig.4) as a variation of Urellia augur (Frauenfeld). Checking the lectotype of tridens Hendel (in the Naturhistorisches Museum, Wien), as well as other specimens which fit Hendel's descriptions, showed that in addition to its specific wing pattern, tridens has short haustellum and labella, and therefore, cannot be included in augur Frauenfeld. Based on these, as well as on additional characters, tridens is, without doubt, a distinct species.
- 5. We suggest that G. tridens (Hendel) should be the type-species of Goniurellia rather than augur Frauenfeld, for the following reasons:-
 - (a) A type of *G. tridens* (a lectotype female designated by Hardy, 1968: 127) is accessible (Recommendation 69B (6)), whereas the types of Frauenfeld are probably lost (Hardy, 1968: 107-108).
 - (b) When designating augur sensu Hendel as the type-species of Goniurellia, Hendel writes: "Rüssel relativ kurz, Labellen nur mässig verlängert". This is the case in G. tridens and the other species included by Hendel in Goniurellia, except in G. ensina and G. rostrata which are synonyms of augur Frauenfeld.
 - (c) The designation of augur Frauenfeld as the type-species of Goniurellia, would bring about the following unnecessary nomenclatural actions:
 - (1) Dectodesis Munro would have to become a synonym of Goniurellia, and its three species would change their well established generic name.
 - (2) Creating a new genus to include the species of *Goniurellia* except *augur* Frauenfeld.

Whereas designating G. tridens as the type-speces of Goniurellia would render these actions unnecessary.

- 6. In order to avoid confusion and to maintain stability of nomenclature, it is requested that the International Commission should take the following actions:-
 - (1) use its plenary powers to set aside Hendel's (1927) designation of *Trypeta augur* Frauenfeld as the type species of *Goniurellia*, and having done so, designate *Urellia augur tridens* Hendel, 1910 to be the type-species of that genus;



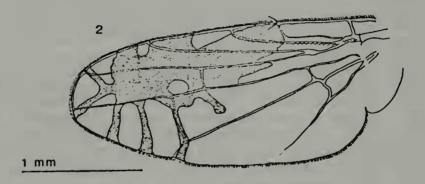


Plate 1

Fig. 1: Trypeta augur Frauenfeld, 1856, wing. Fig. 2: Trypanea (Goniurellia) augur sensu Hendel, 1927, wing.

(2) place the generic name Goniurellia Hendel, 1927 (gender: feminine) type-species by designation under the plenary powers in (1) above, Urellia augur tridens Hendel, 1910 on the Official List of Generic Names in Zoology;

(3) place the species-group name tridens Hendel, 1910, as published in the trinomen *Urellia augur tridens* (type-species of *Goniurellia* Hendel, 1927), on the Official List of Specific

Names in Zoology.

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